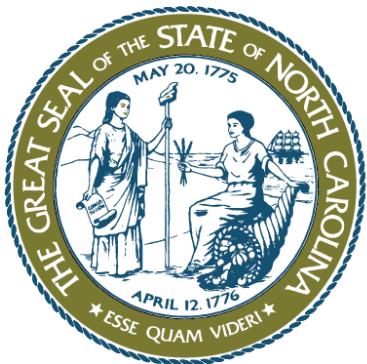




Let's Go Exploring with NCcareers.org

NCWorks Partnership Conference
October 13, 2022



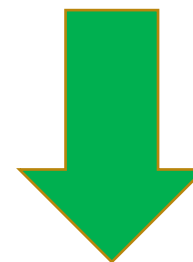


NC DEPARTMENT
of COMMERCE
LABOR & ECONOMIC
ANALYSIS

NC's primary source of economic & labor market data, information, & analysis

Main Functions:

1. Produce Labor Market Data
2. Disseminate Information & Data Tools
3. Conduct Big Data Analytics
4. Analyze & Interpret Data/Information



Help NC Make
Informed Economic
Decisions

Who is NCcareers?

Partnership of Education & Workforce Development Agencies

Governance Committee

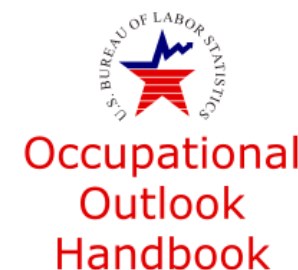


Advisory Board



Why create NCcareers?

- Multiple sources for Career Information
 - Much time spent bouncing between sources
 - Expense
- Alignment of education and occupations
- Provide equal access



Career Exploring and Planning

... a series of steps to help clarify and determine short- and long-term career goals.



Reasons to Explore & Plan

- Provides flexibility, motivation and accountability.
- Prepare to take advantage of an opportunity.
- Understand Options.
- Something to refer to when a setback occurs.

Excuses not to Explore & Plan

- I don't have time.
- I know what I want to do.
- That's for students? I am in the workforce!
- I want to be able to take advantage of any opportunities that arise.
- I don't know how.



Reach for the stars!



Discover the latest data on
nearly 800 occupations



Governance Committee



Advisory Board



“I don’t know what I want to do!”



Find My
Interests



Explore
Occupations



Plan My
Career



Education &
Training



Job Search



Match lifestyle with
income needs



What skills are your
strongest



Identify Holland
Codes



Which Career Clusters
match activities,
interests and
academic



Are you ready to “Be
Your Own Boss”



What do you truly
value in a job

“I want to learn more about an occupation(s)”



**Find My
Interests**



**Explore
Occupations**



**Plan My
Career**



**Education &
Training**



Job Search

Explore Occupations

- 793 Occupations
- Sort by
 - Geography
 - Wage
 - Star Rating
 - Education Level
 - Interests
 - Abilities

Occupations

Search for an occupation from nearly 800 job titles or browse the fastest growing jobs in North Carolina. Filter and sort results by: location, career cluster, star rating (a composite rating of occupations computed by LEAD), salary range, education level, interests and/or abilities.



Map

Location

Career Cluster

Star Rating

Salary Range

Education Level

Interests

Abilities

793 matching occupations found

Clear Filter(s)

SORT BY

Median Annual Wage

Annual Growth Rate

Avg. Annual Openings

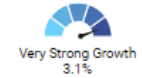


Statisticians

Star Rating: ★★★★★

Education: Master's degree

\$100,480
(\$48.31/hr)



Average Opportunity
199

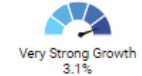


Information Security Analysts

Star Rating: ★★★★★

Education: Bachelor's degree

\$100,780
(\$48.45/hr)



Strong Opportunity
438



Solar Photovoltaic Installers

Star Rating: ★★★★☆

Education: High school diploma or equivalent

\$37,770
(\$18.16/hr)



Average Opportunity
95



Physician Assistants

Star Rating: ★★★★★

Education: Master's degree

\$111,140
(\$53.43/hr)



Strong Opportunity
498



Nurse Practitioners

Star Rating: ★★★★★

Education: Master's degree

\$106,770
(\$51.33/hr)



Strong Opportunity
441

Occupation Profile

- Heart of the site
- Can print
- Can Save when logged-in
- Can share with unique URL
- Can change geography for most relevant info



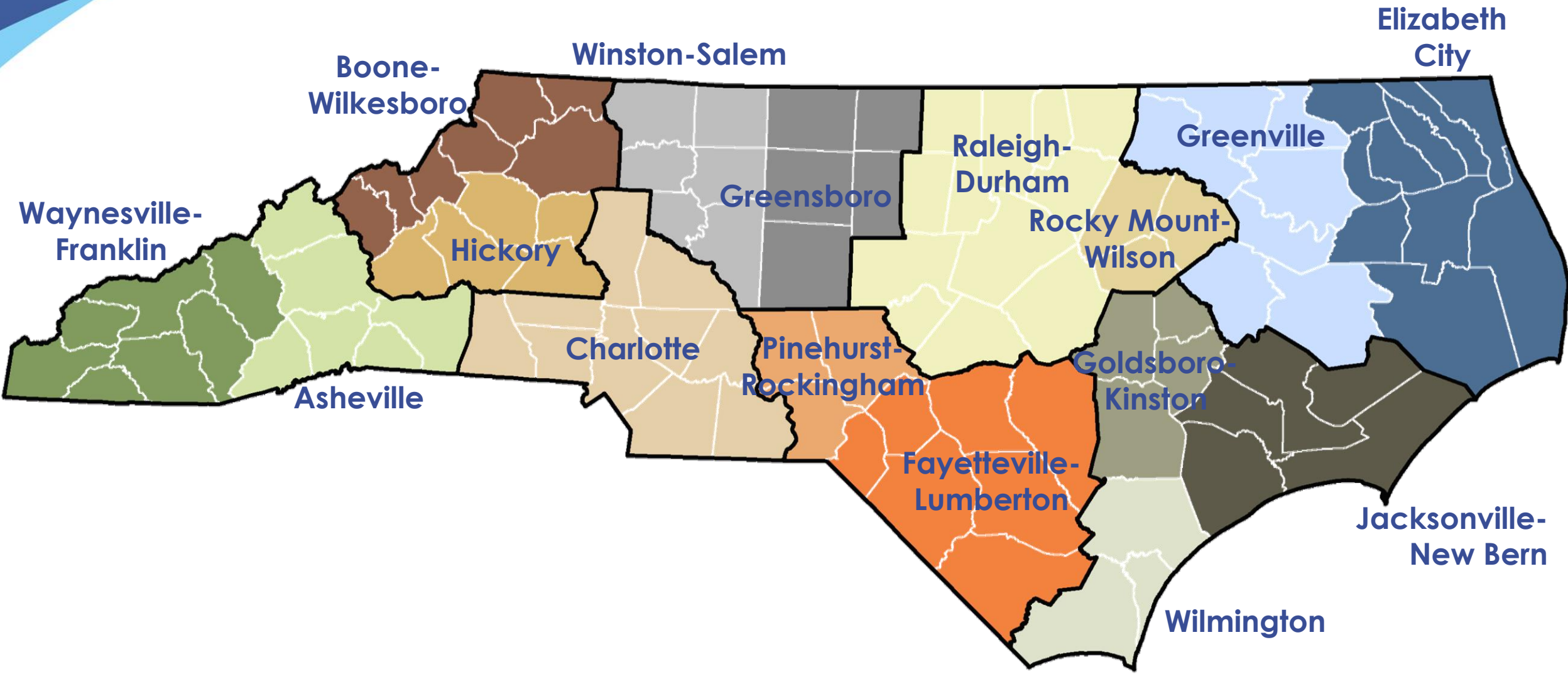
Why is Geography important?

Understand what is going on in your area!

Economies are regional:

- Wages
- Demand
- Growth





“Where do I go from here?”



**Find My
Interests**



**Explore
Occupations**



**Plan My
Career**



**Education &
Training**



Job Search



**NEXT
STEP**

Identify occupations
that will advance your
career



**FIRST
STEP**

What Can I do with My Education?

What occupations did
your education
prepare you for?



“How can I develop the knowledge and skills required for success?”



**Find My
Interests**



**Explore
Occupations**



**Plan My
Career**



**Education &
Training**



Job Search

Find additional training opportunities

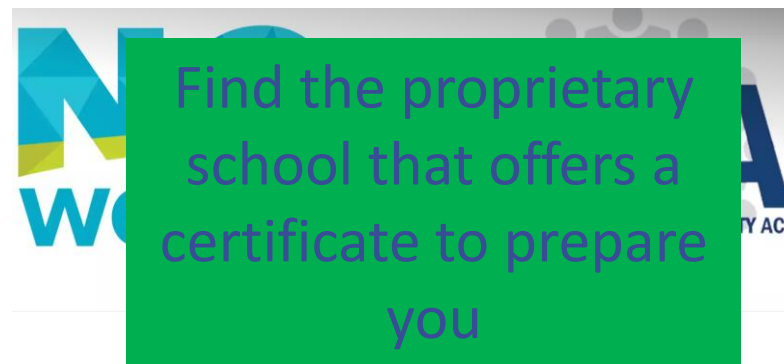
Program Locator



Find the NC College
or University that has
your desired program



Find Private Training



Find the proprietary
school that offers a
certificate to prepare
you

“I’m ready to find a job!”



**Find My
Interests**



**Explore
Occupations**



**Plan My
Career**



**Education &
Training**



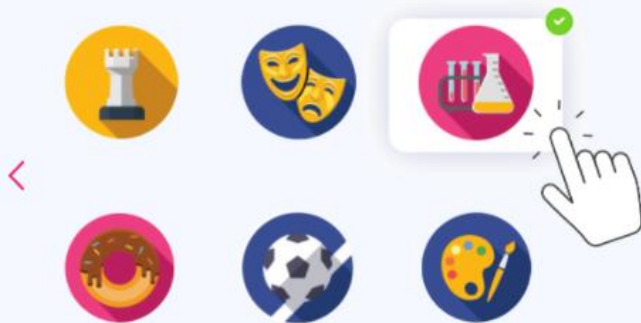
Job Search



Find current job
listings in your area!

NCC
works

Account Creation



Make it yours...

Create a profile to save your interests.
And personalize your experience.
Powered by

CFNC

College
Foundation
of North Carolina

SPOTLIGHT

Chefs Web Developers HR Managers

★★★★★

Chefs and Head Cooks

Hospitality and Tourism

Chefs and head cooks direct and may participate in preparing, seasoning, and cooking salads, soups, fish, meats, vegetables, desserts, or other foods. They may plan and price menu items, order supplies, and keep records and accounts.

[Learn More](#)



ACTIVITIES

**REALITY
CHECK**

**INTEREST
FINDER**

**CAREER CLUSTER
MATCH**

**SMALL BUSINESS/ENTREPRENEUR
READINESS SURVEY**

**WORK VALUES
SORTER**

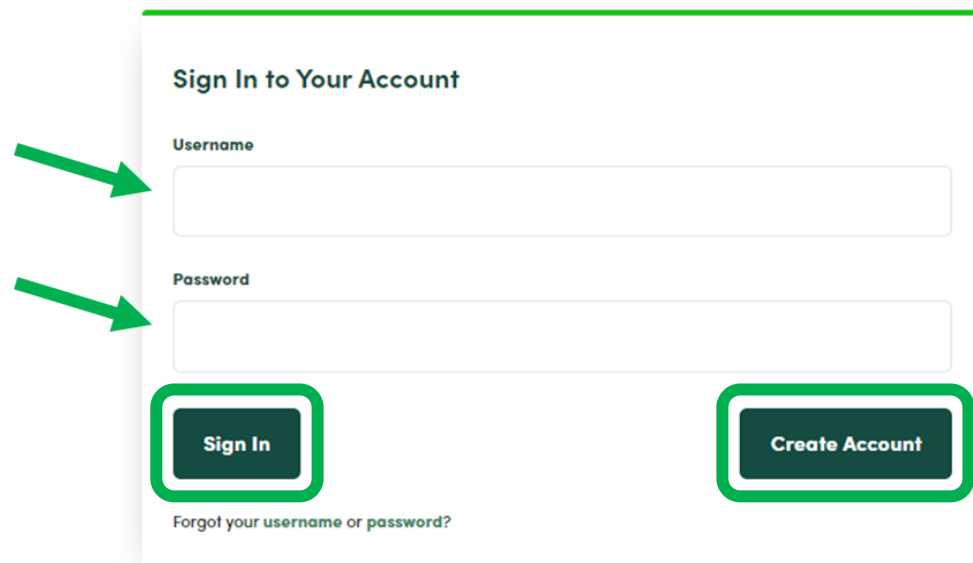
**SKILLS
MATCHER**

EXPLORE

Further Education Change Careers Remove Barriers Prepare for Work

Two Schools For The Price Of None

Want to get a jumpstart on earning college credit, tuition free while still in High



Sign In to Your Account

Username

Password

Sign In **Create Account**

[Forgot your username or password?](#)

Your CFNC login will give you access to our full family of resources to plan, apply, pay, and save for college.



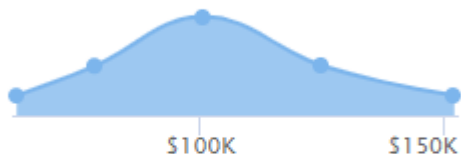
Account Creation

- Powered by CFNC
- Use current CFNC credentials
- Not required for access!
- Free for all users
- Save work!
 - Assessment Results
 - Favorite Occupations and more!

**How can you answer your
client's questions with
NCcareers?**

How much does it pay?

\$ Annual Salary (Wages)



Lower End Wage (10th Percentile)

\$62,340(\$29.97/hr)

Middle Wage (50th Percentile)

\$100,560(\$48.35/hr)

Higher End Wage (90th Percentile)

\$152,000(\$73.08/hr)

Applications Software Developers ★★★★★

North Carolina

Information Technology

Annual Salary (Wages)



Lower End Wage (10th Percentile)
\$62,340 (\$29.97/hr)
Middle Wage (50th Percentile)
\$100,560 (\$48.35/hr)
Higher End Wage (90th Percentile)
\$152,000 (\$73.08/hr)

Annual Median Wage
\$100,560
Annual NC Wage Range
\$62,340 - \$152,000

Growth Rate
Very Fast Growing

Software developers are the creative minds behind computer programs. They develop applications that allow people to do specific tasks when using technology tools.

What do they typically do

- Consult with customers about software system design and maintenance
- Analyze users' needs and then design, test, and develop software to meet those needs
- Research and evaluate factors like required reporting formats, costs, and security needs to decide how to configure hardware
- Change existing software to correct errors, adapt it to new hardware, or improve performance
- Determine system performance standards
- Design each part of the application and plan how the pieces will work together
- Document every aspect of the application as background for future maintenance and upgrades
- Collaborate with other computer specialists to create the best possible software

Ratings

Wage (\$): 5
Job Openings (\$): 4
Job Growth Rate (\$): 5
Experience Level (\$): 5

Common Job Titles

- NET Developer
- Android Developer

More

Similar Occupations

- Logisticians
- Computer Hardware Engineers

More

Occupation Code

- 15-1132 - Applications Software Developers

Pathway

- Programming and Software Development

NCDPI Career Pathways

- Identify the High School Classes that can help start preparing you for a chosen career.

Find classes

Number of Jobs



Average Annual Job Growth +2.6%
Job Opening 2,500

Job Listings

Select a region/location in North Carolina to begin your search.

View available jobs

Education & Training

Education
Most require a four-year bachelor's degree, but some do not.

Associated Programs or Majors

Computing & Information Systems

Data Science

Software Engineering

More

Licensure

None

Private Training Programs

(A) Certification Exam Prep Class - Scrutin Master Certification Training

(A) Certification Exam Prep Class - Scrutin Master Training

(CIS) ISACA Certified Information Systems Auditor

More



New! Study Technology, develop a competitive edge and gain experience in the workplace.

Interests

- Interpersonal Skills Development

Work Place

Many applications software developers work in office environments for employers such as insurance carriers or corporate headquarters. In general, software development is a collaborative process and developers work on teams with others who contribute to designing, developing, and programming successful software. Some developers telecommute (work away from the office). Most software developers work full time, and long hours are common.

Top Skills & Abilities

- Writing computer programs
- Making equipment and technology useful for customers
- Installing equipment, machines, software, or computer programs

More

Knowledge/Specialties

- Administration and Management
- Computers and Electronics
- Design
- Engineering and Technology
- English Language
- Mathematics
- Telecommunications

Experience

A considerable amount of work-related skill, knowledge, or experience is needed.

Training

Usually several years of work-related experience, on-the-job training, and/or vocational training.

First Step

Find out where to start your new journey.

Get started

Next Step

Find out what's next in line on your career journey.

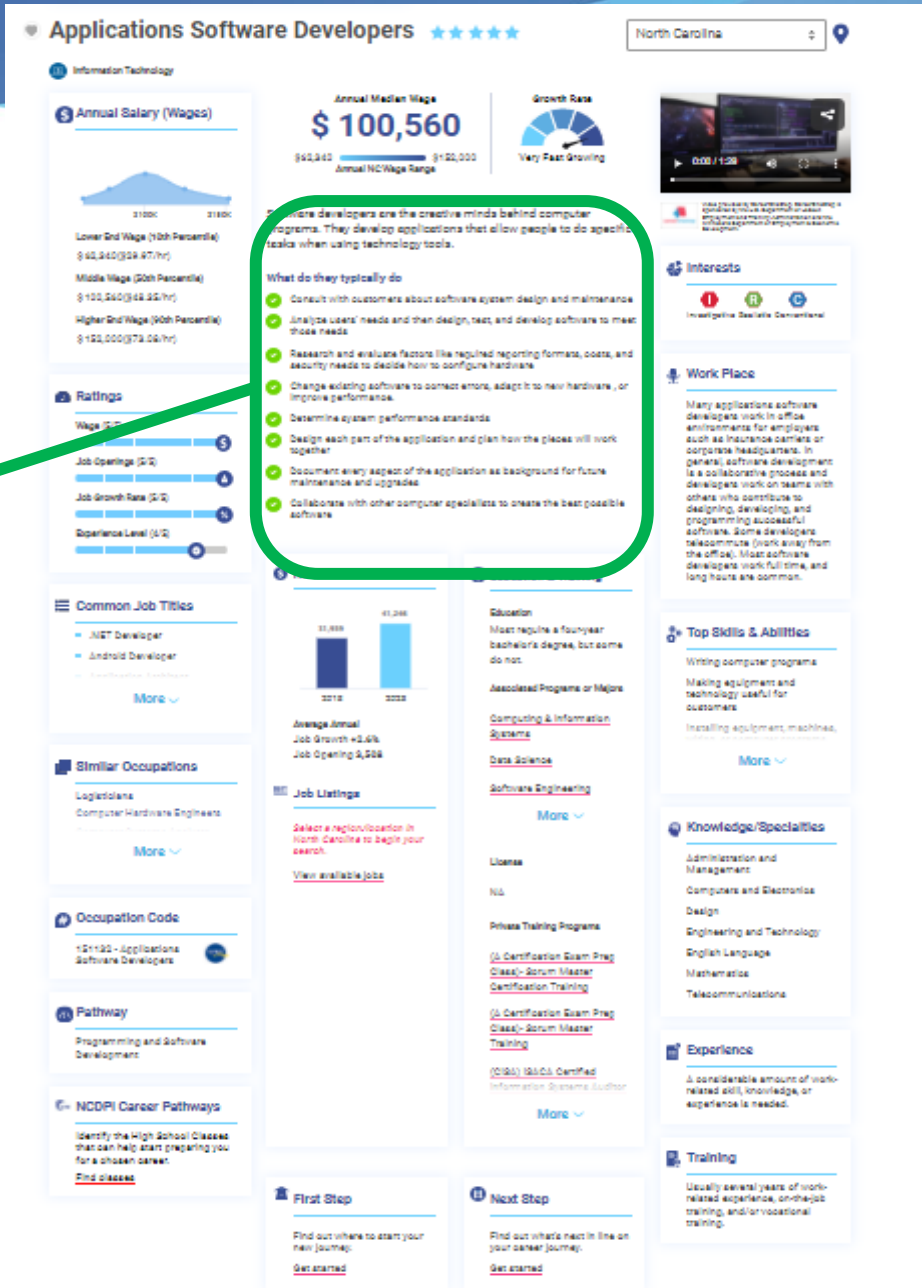
Get started

What does this occupation do?

Software developers are the creative minds behind computer programs. They develop applications that allow people to do specific tasks when using technology tools.

What do they typically do

- ✓ Consult with customers about software system design and maintenance
- ✓ Analyze users' needs and then design, test, and develop software to meet those needs
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- ✓ Determine system performance standards
- ✓ Design each part of the application and plan how the pieces will work together
- ✓ Document every aspect of the application as background for future maintenance and upgrades
- ✓ Collaborate with other computer specialists to create the best possible software



What do those stars mean?

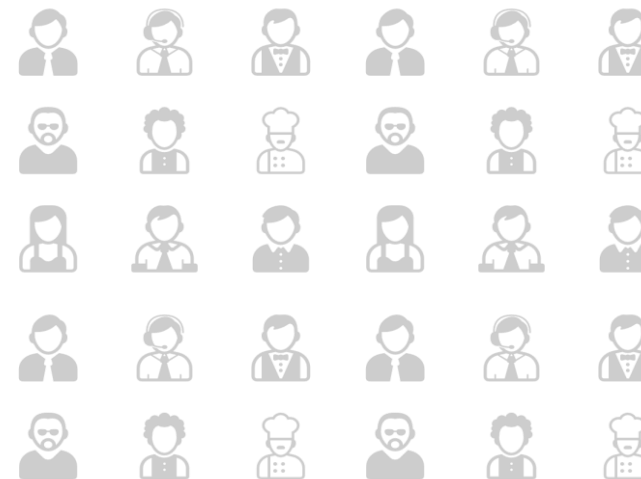




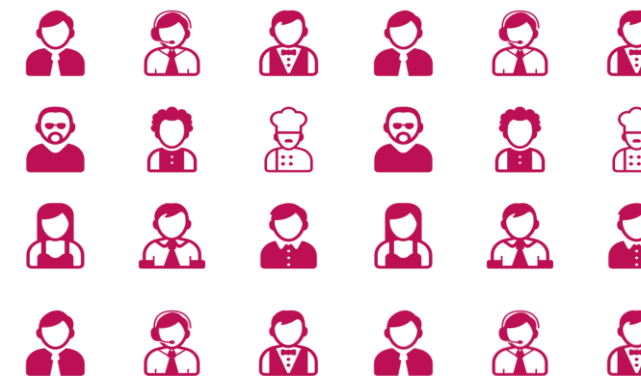
**Average
Wage**



**Growth
Rate**



**# of Job
Openings**



Is this a good long-term prospect?



Ratings

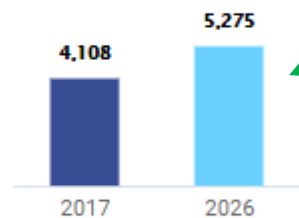
Wage (5/5)

Job Openings (4/5)

Job Growth Rate (5/5)

Experience Level (4/5)

Number of Jobs



Average Annual
Job Growth +2.8%
Job Opening 442

Applications Software Developer ★★★★★ North Carolina

Annual Salary (Wages)

Annual Median Wage: **\$100,560**
Annual NC Wage Range: \$62,940 - \$120,000

Software developers are the creative minds behind computer programs. They develop applications that allow people to do specific tasks when using technology tools.

What do they typically do

- Consult with customers about software system design and maintenance
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- Design each part of the application and plan how the pieces will work together
- Document every aspect of the application as background for future maintenance and upgrades
- Collaborate with other computer specialists to create the best possible software

Ratings

Wage (5/5) \$
Job Openings (4/5) A
Job Growth Rate (5/5) N
Experience Level (4/5) B

Common Job Titles

- .NET Developer
- Android Developer

Similar Occupations

- Logisticians
- Computer Hardware Engineers

Occupation Code

15-125 - Applications Software Developers

Pathway

Programming and Software Development

NC DPI Career Pathways

Identify the High School Classes that can help start preparing you for a chosen career.
[Find classes](#)

First Step

Find out where to start your new journey.
[Get started](#)

Next Step

Find out what's next in line on your career journey.
[Get started](#)

Number of Jobs

2017: 41,008
2026: 43,246
Average Annual Job Growth +2.6%
Job Opening 8,508

Education & Training

Education: Most require a four-year bachelor's degree, but some do not.

Associated Programs or Majors:

- Computing & Information Systems
- Data Science
- Software Engineering

Top Skills & Abilities

- Writing computer programs
- Making equipment and technology useful for customers
- Installing equipment, machines, software, or hardware

Knowledge/Specialties

- Administration and Management
- Computers and Electronics Design
- Engineering and Technology
- English Language
- Mathematics
- Telecommunications

Experience

A considerable amount of work-related skill, knowledge, or experience is needed.

Training

Usually several years of work-related experience, on-the-job training, and/or vocational training.

What education do I need?

Where can I go for it?

Education & Training

Education

Most require a four-year bachelor's degree, but some do not.

Associated Programs or Majors

[Cyber Crime Technology](#)

[Information Technology](#)
[Project Management](#)

[Information Systems](#)
[Security](#)

[More](#)

License

NA

Private Training Programs

[\(A Certification Exam Prep Class\)- Scrum Master Training](#)

[\(CISA\) ISACA Certified Information Systems Auditor](#)

[A+ Bootcamp, Certification, and Mentorship \(CompTIA A+\)](#)

[More](#)

Information Security Analysts ★★★★★

North Carolina

Information Technology

Annual Salary (Wages)



Annual Median Wage

\$103,470
 \$61,450 Annual NC Wage Range \$151,500



Information security analysts plan and carry out security measures to protect an organization's computer networks and systems. Their responsibilities are continually expanding as the number of cyberattacks increase.

What do they typically do

- Research the latest information technology (IT) security trends
- Monitor organizations' networks for security breaches and investigate a violation when one occurs
- Recommend security enhancements to management or senior IT staff
- Conduct penetration testing, which is when analysts simulate attacks to look for vulnerabilities in their systems before they can be exploited
- Develop security standards and best practices for their organization
- Prepare reports that document security breaches and the extent of the damage caused by the breaches
- Help plan and carry out an organization's way of handling security
- Install and use software, such as firewalls and data encryption programs, to protect sensitive information

Ratings



Common Job Titles

- All Source-Collection Manager
- All Source-Collection Requirements Manager

[More](#)

Similar Occupations

- Health and Safety Engineers
- Industrial Engineering Technicians
- Claims Adjusters, Examiners, and

[More](#)

Occupation Code

151122 - Information Security Analysts

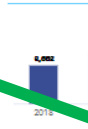
Pathway

Network Systems

NC DPI Career Pathways

Identify the High School Classes that can help start preparing you for a chosen career.
[Find classes](#)

Number of Jobs



Job Listings

Select a region/location in North Carolina to begin your search.
[View available jobs](#)

Education & Training

Education
 Most require a four-year bachelor's degree, but some do not.

Associated Programs or Majors

[Cyber Crime Technology](#)
[Information Technology](#)
[Project Management](#)
[Information Systems Security](#)

[More](#)

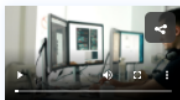
License

NA

Private Training Programs

[\(A Certification Exam Prep Class\)- Scrum Master Training](#)
[\(CISA\) ISACA Certified Information Systems Auditor](#)
[A+ Bootcamp, Certification, and Mentorship \(CompTIA A+\)](#)

[More](#)



Video provided by CareerOneStop. CareerOneStop is a free, confidential career counseling service provided by the U.S. Department of Labor, Office of Career Development.

Interests

Conventional Investigative Realistic

Work Place

Many information security analysts work with other members of an information technology department, such as network administrators or computer systems analysts. Very few information security analysts are self-employed. Most work full time and sometimes have to be on call outside of normal business hours in case of an emergency at their work place.

Top Skills & Abilities

Writing computer programs
 Making equipment and technology useful for customers
 Figuring out what a product or service needs to be able to do

Knowledge/Specialties

Administration and Management
 Computers and Electronics
 Customer and Personal Service
 Education and Training
 Engineering and Technology
 English Language
 Public Safety and Security
 Telecommunications

Experience

A considerable amount of work-related skill, knowledge, or experience is needed.

Training

Usually several years of work-related experience, on-the-job training, and/or vocational training.

First Step

Find out where to start your new journey.
[Get started](#)

Next Step

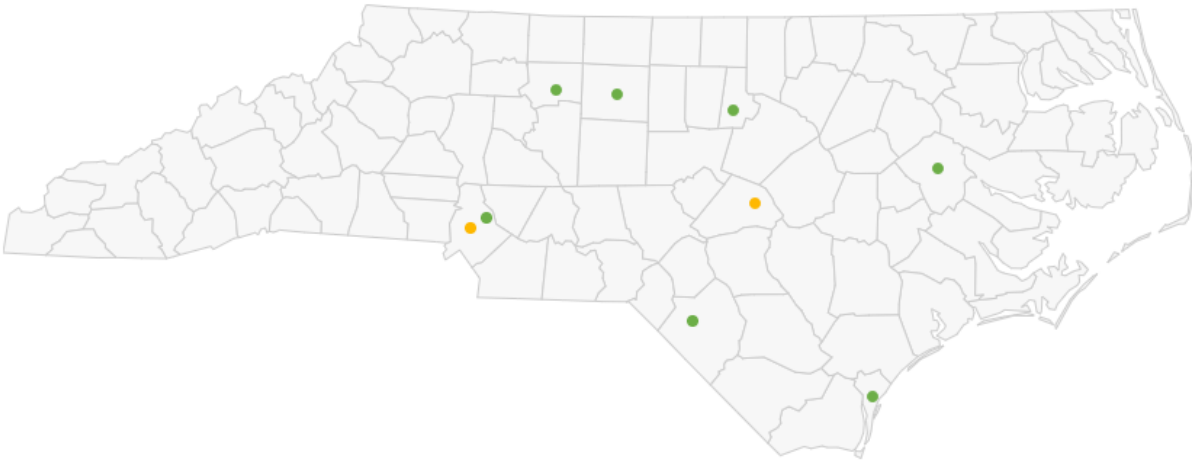
Find out what's next in line on your career journey.
[Get started](#)

Type in a program name to see which institutions offer it. Select from Public Universities, Independent Colleges/Universities and the NC Community College System. Click on the institution's name or on the map for more information.

- ☒ Public Universities
 16
- ☒ Independent Colleges/Universities
 36
- ☒ NC Community College System
 58



- Campbell University
- Johnson C Smith University
- NC A&T State University
- East Carolina University
- North Carolina Central University
- UNC - Charlotte
- UNC - Pembroke
- UNC - Wilmington
- Winston-Salem State University



Click on a College or University to view more information.

Where
can I get
that
degree?

What education do I need?

Where can I go for it?

Education & Training

Education

Most require a four-year bachelor's degree, but some do not.

Associated Programs or Majors

[Cyber Crime Technology](#)

[Information Technology](#)

[Project Management](#)

[Information Systems](#)

[Security](#)

[More](#)

License

NA

Private Training Programs

[\(A Certification Exam Prep Class\)- Scrum Master Training](#)

[\(CISA\) ISACA Certified Information Systems Auditor](#)

[A+ Bootcamp, Certification, and Mentorship \(CompTIA A+\)](#)

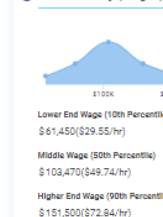
[More](#)

Information Security Analysts ★★★★★

North Carolina

Information Technology

Annual Salary (Wages)



Annual Median Wage

\$103,470
\$61,450 Annual NC Wage Range \$151,500

Growth Rate



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- Install and use software, such as firewalls and data encryption programs, to protect sensitive information

Ratings



Common Job Titles

- All Source-Collection Manager
- All Source-Collection Requirements Manager
- All Source Analyst

Similar Occupations

- Health and Safety Engineers
- Industrial Engineering Technicians
- Claims Adjusters, Examiners, and

Occupation Code

151122 - Information Security Analysts

Pathway

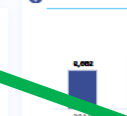
Network Systems

NC DPI Career Pathways

Identify the High School Classes that can help start preparing you for a chosen career.

[Find classes](#)

Number of Jobs



Average Annual Job Growth +3.1%
Job Opening 498

Job Listings

Select a region/location in North Carolina to begin your search.

[View available jobs](#)

First Step

Find out where to start your new journey.
[Get started](#)

Next Step

Find out what's next in line on your career journey.
[Get started](#)

Interests

Conventional Investigative Realistic

Work Place

Many information security analysts work with other members of an information technology department, such as network administrators or computer systems analysts. Very few information security analysts are self-employed. Most work full time and sometimes have to be on call outside of normal business hours in case of an emergency at their work place.

Top Skills & Abilities

Writing computer programs
Making equipment and technology useful for customers

Figuring out what a product or service needs to be able to do

Knowledge/Specialties

Administration and Management
Computers and Electronics
Customer and Personal Service
Education and Training
Engineering and Technology
English Language
Public Safety and Security
Telecommunications

Experience

A considerable amount of work-related skill, knowledge, or experience is needed.

Training

Usually several years of work-related experience, on-the-job training, and/or vocational training.

How can I prepare to work in this occupation?

Top Skills & Abilities

Writing computer programs

Making equipment and technology useful for customers

Installing equipment, machines, wiring, or computer programs

Figuring out what a product or service needs to be able to do

Figuring out what is causing equipment, machines, wiring, or computer programs to not work

Measuring how well a system is working and how to improve it

Figuring out how a system should work and how changes in the future will affect it

Using scientific rules and strategies to solve problems

Using math to solve problems

Testing how well a product or service works

Knowledge/Specialties

Administration and Management

Computers and Electronics

Design

Engineering and Technology

English Language

Mathematics

Telecommunications

Applications Software Developers ★★★★★

North Carolina

Information Technology

Annual Salary (Wages)



Annual Median Wage
\$100,560
Annual NC Wage Range: \$62,560 - \$122,000

Growth Rate
Very Fast Growing

Software developers are the creative minds behind computer programs. They develop applications that allow people to do specific tasks when using technology tools.

What do they typically do

- Consult with customers about software system design and maintenance
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- Determine system performance standards
- Design each part of the application and plan how the pieces will work together
- Document every aspect of the application as background for future maintenance and upgrades
- Collaborate with other computer specialists to create the best possible software

Ratings



Common Job Titles

- NET Developer
- Android Developer
- Application Developer

Similar Occupations

- Logisticians
- Computer Hardware Engineers

Occupation Code

15-1192 - Applications Software Developers

Pathway

Programming and Software Development

NC DPI Career Pathways

Identify the High School Classes that can help start preparing you for a chosen career.
[Find classes](#)

Number of Jobs



Education & Training

Education
Most require a four-year bachelor's degree, but some do not.

Job Listings

Select a region/location in North Carolina to begin your search.
[View available jobs](#)

Private Training Programs

(J) Certification Exam Prep Class - Forum Master Certification Training

(J) Certification Exam Prep Class - Forum Master Training

(CIS) ISACA Certified Information Systems Auditor

First Step

Find out where to start your new journey.
[Get started](#)

Next Step

Find out what's next in line on your career journey.
[Get started](#)

Interests

- Investigative
- Realistic
- Conventional

Work Place

Many applications software developers work in office environments for employers such as insurance carriers or corporate headquarters. In general, software development is a collaborative process and developers work on teams with others who contribute to designing, developing, and programming successful software. Some developers telecommute (work away from the office). Most software developers work full time, and long hours are common.

Top Skills & Abilities

Writing computer programs
Making equipment and technology useful for customers

Installing equipment, machines, wiring, or computer programs
[More](#)

Knowledge/Specialties

Administration and Management
Computers and Electronics
Design
Engineering and Technology
English Language
Mathematics
Telecommunications

Experience

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Training

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Common Job Titles

- .NET Developer
- Android Developer
- Application Architect
- Application Developer
- Application Integration Engineer
- Application Integrator
- Applications Analyst
- Applications Developer
- Applications Engineer
- Applications Programmer
- Applications Quality Assurance Specialist
- Applications Software Engineering Information Technology Specialist (Applications Software Engineering IT Specialist)
- Applications System Analyst
- Architect
- Artificial Intelligence Specialist
- Automation Engineer
- Automation Tester
- Beta Tester
- Bioinformatics Specialist
- Business Intelligence Architect

How do I broaden my search?

Similar Occupations

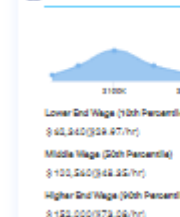
Logisticians
 Computer Hardware Engineers
 Computer Systems Analysts
 Systems Software Developers
 Computer Programmers

Applications Software Developers ★★★★★

North Carolina

Information Technology

Annual Salary (Wages)



Annual Median Wage
\$100,560
 \$62,560 - \$122,000
 Annual NC Wage Range



Software developers are the creative minds behind computer programs. They develop applications that allow people to do specific tasks when using technology tools.

What do they typically do

- Consult with customers about software system design and maintenance
- Analyze users' needs and then design, test, and develop software to meet those needs
- Research and evaluate factors like required reporting formats, costs, and security needs to decide how to configure hardware
- Change existing software to correct errors, adapt it to new hardware, or improve performance
- Determine system performance standards
- Design each part of the application and plan how the pieces will work together
- Document every aspect of the application as background for future maintenance and upgrades
- Collaborate with other computer specialists to create the best possible software

Ratings



Common Job Titles

- .NET Developer
- Android Developer
- Application Architect

More

Similar Occupations

- Logisticians
- Computer Hardware Engineers
- Computer Systems Analysts

More

Occupation Code

15-1195 - Applications Software Developers

Pathway

Programming and Software Development

NC DPI Career Pathways

Identify the High School Classes that can help start preparing you for a chosen career.
[Find classes](#)

Number of Jobs



Average Annual Job Growth +2.6%
 Job Opening 8,500

Job Listings

Select a region/location in North Carolina to begin your search.
[View available jobs](#)

Education & Training

Education
 Most require a four-year bachelor's degree, but some do not.

Associated Programs or Majors

[Computing & Information Systems](#)

[Data Science](#)

[Software Engineering](#)

More

License

None

Private Training Programs

[\(A\) Certification Exam Prep Class - Scrum Master Certification Training](#)

[\(A\) Certification Exam Prep Class - Scrum Master Training](#)

[\(CIS\) ISACA Certified Information Systems Auditor](#)

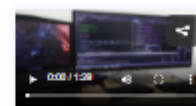
More

First Step

Find out where to start your new journey.
[Get started](#)

Next Step

Find out what's next in line on your career journey.
[Get started](#)



Video showing a person working on a computer, likely related to the career path.

Interests

[Investigative](#) [Social](#) [Conventional](#)

Work Place

Many applications software developers work in office environments for employers such as insurance carriers or corporate headquarters. In general, software development is a collaborative process and developers work on teams with others who contribute to designing, developing, and programming successful software. Some developers telecommute (work away from the office). Most software developers work full time, and long hours are common.

Top Skills & Abilities

Writing computer programs
 Making equipment and technology useful for customers

Installing equipment, machines, software, or hardware

More

Knowledge/Specialties

Administration and Management

Computers and Electronics

Design

Engineering and Technology

English Language

Mathematics

Telecommunications

Experience

A considerable amount of work-related skill, knowledge, or experience is needed.

Training

Usually several years of work-related experience, on-the-job training, and/or vocational training.

How can I grow my career?



First Step

Find out where to start your new journey.

[Get started](#)



Next Step

Find out what's next in line on your career journey.

[Get started](#)

Applications Software Developers ★★★★★

North Carolina

Information Technology

Annual Salary (Wages)



Annual Median Wage
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Annual NC Wage Range



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Ratings



Common Job Titles

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- Android Developer

[More](#)

Similar Occupations

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- Computer Hardware Engineers

[More](#)

Occupation Code

- 15-1195 - Applications Software Developers

Pathway

- Programming and Software Development

NC DPI Career Pathways

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[Find classes](#)

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Job Opening 8,500

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[Data Science](#)

[Software Engineering](#)

[More](#)

License

None

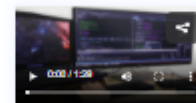
Private Training Programs

[\(U\) Certification Exam Prep Class - Scrum Master Certification Training](#)

[\(U\) Certification Exam Prep Class - Scrum Master Training](#)

[\(CIS\) ISACA Certified Information Systems Auditor](#)

[More](#)



Video: Software Developers: A Creative Mind Behind Computer Programs

Interests

- Investigative
- Realistic
- Conventional

Work Place

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Top Skills & Abilities

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Making equipment and technology useful for customers

Installing equipment, machines, software, or devices on computers

[More](#)

Knowledge/Specialties

- Administration and Management
- Computers and Electronics
- Design
- Engineering and Technology
- English Language
- Mathematics
- Telecommunications

Experience

A considerable amount of work-related skill, knowledge, or experience is needed.

Training

Usually several years of work-related experience, on-the-job training, and/or vocational training.

First Step

Find out where to start your new journey.
[Get started](#)

Next Step

Find out what's next in line on your career journey.
[Get started](#)



Applications Software Developers
Star Rating: ★★★★★



SALARY

\$104,561 (\$50.27/hr)
Median NC Wage

NC JOB PROJECTION

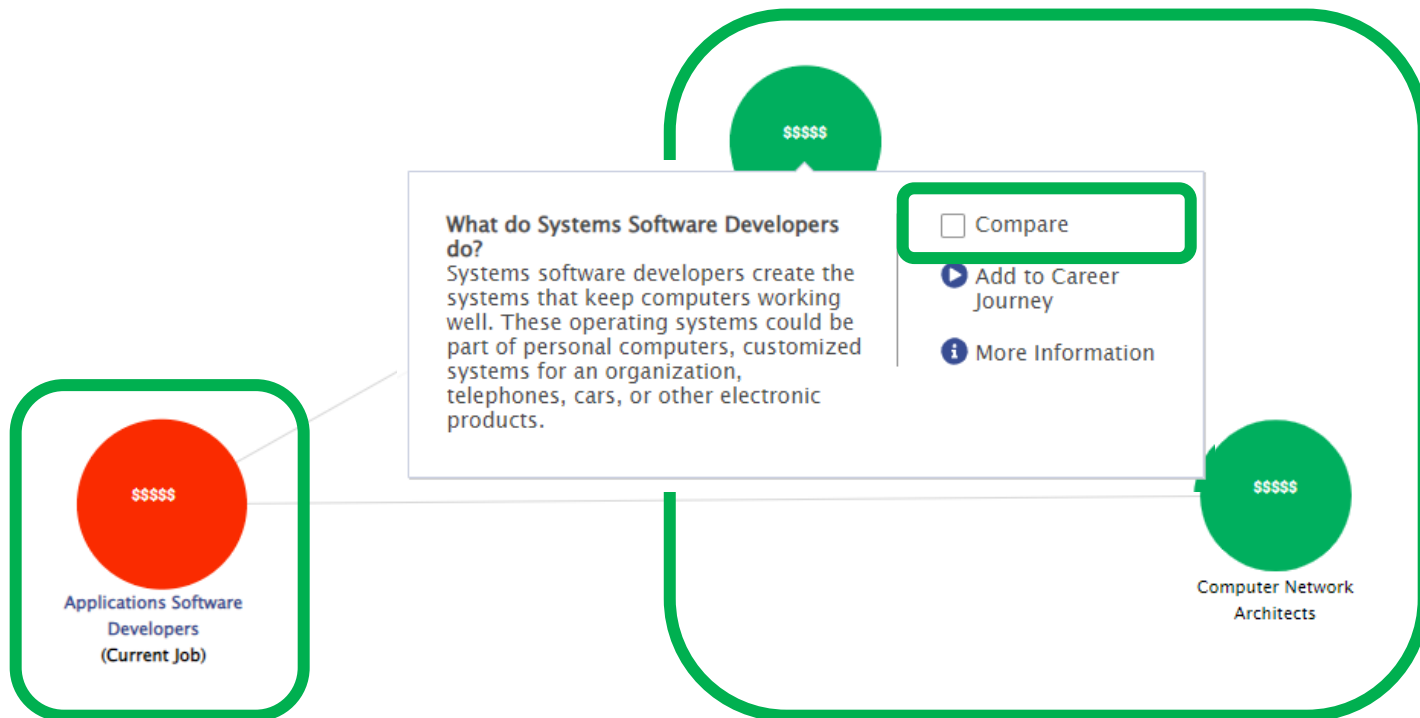
31,939
Total Jobs in 2017

3,508
Average Job Openings

+2.6%
Very Strong Growth



How to use Next Step



SALARY RANGE

\$ \$0 - \$34,999
\$\$ \$35,000 - \$44,999
\$\$\$ \$45,000 - \$54,999
\$\$\$\$ \$55,000 - \$74,999
\$\$\$\$\$ \$75,000+



GROWTH RATE

- None or Negative Growth
- Slow Growth
- Average Growth
- Strong Growth
- Very Strong Growth

JOB OPENINGS

- 1 - 24
- 25 - 74
- 75 - 249
- 250 - 749
- 750+

Compare Occupations

Occupation ▶	<div>  Applications Software Developers Star Rating: ★★★★★ </div>	<div>  Systems Software Developers Star Rating: ★★★★★ </div>
Median Annual Wage	\$104,561 (\$50.27/hr)	\$108,877 (\$52.34/hr)
Education	Bachelor's degree	Bachelor's degree
Experience Needed	---	Same experience level
Knowledge Needed	---	Physics , Telecommunications , Clerical
Skill Needed	---	Writing , Reading Comprehension , Active Listening

Additional tools for you

Career Development Lesson Plans

- 66 Unique lesson plans and activities
- Developed by CDCs for all educators
- Download and edit for your needs
- Written for grade levels:
 - Late Elementary/Middle School
 - High School
 - Post Secondary



Career Development Lesson Plans

- Click on Educator Resources link in Footer



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Governance Committee



Advisory Board



Why you should use NCcareers.org with Clients..

- All data in one place
 - North Carolina regional specific
 - Talking with one voice
- Ability to identify occupations based on assessment tools
- Alignment of education with occupational needs
- Ability for clients to save/access information later
 - Career Planning

**Are there tools I can use to
help drive big picture
decisions?**

NC Star Jobs Tool

Compare stats side by side for your region

NORTH CAROLINA STAR JOBS

Show/Hide Columns **Excel** **CSV** Area: North Carolina Statewide

Stars	SOC	Occupation Title	2018	2028	Change (2018 - 2028)	Annual % Growth	Average Annual Openings	Median Annual Wage
★★★★★	13-2011	Accountants and Auditors +	38,019	41,284	3,265	0.8%	4,022	\$42,000
★	27-2011	Actors +	406	416	10	0.2%	49	\$30,000
★★★★	15-2011	Actuaries +	250	301	51	1.9%	22	\$60,000
★★	51-9191	Adhesive Bonding Machine Operators and Tenders +	1,072	1,101	29	0.3%	145	\$20,000
★★★	23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers +	210	213	3	0.1%	10	\$30,000
★★★★★	11-3011	Administrative Services Managers +	4,618	5,007	389	0.8%	439	\$30,000
★★	25-3011	Adult Basic and Secondary Education and Literacy Teachers and Instructors +	2,911	2,593	-318	-1.2%	282	\$30,000
★★★	11-2011	Advertising and Promotions Managers +	239	253	14	0.6%	24	\$30,000
★★★	41-3011	Advertising Sales Agents +	4,267	4,186	-81	-0.2%	566	\$20,000
★★	17-3021	Aerospace Engineering and Operations Technicians +	70	77	7	1%	8	\$20,000
★★★	17-2011	Aerospace Engineers +	604	640	36	0.6%	44	\$60,000
★★★★	13-1011	Agents and Business Managers of Artists, Performers, and Athletes +	501	550	49	0.9%	66	\$30,000
★★	19-4011	Agricultural and Food Science Technicians +	497	529	32	0.6%	65	\$20,000
Not Rated	17-2021	Agricultural Engineers +	*	*	*	0.4%	2	\$30,000
Not Rated	45-2091	Agricultural Equipment Operators +	2,065	2,217	152	0.7%	365	\$20,000

Map

North Carolina Statewide

All Star Jobs Ratings

Minimum Salary

Maximum Salary

Education Level

Career Clusters

CIP Program

Primary Interest

2nd Interest

3rd Interest

Search Reset

<https://tools.nccareers.org/starjobs/>

NC Employment Projections

Employment Projections

Industry

Occupation

Data Sources & Methodology

Area: North Carolina

See Map

Industry Group: NAICS 2-digit Industry

Search

Start Over

Excel

CSV

Search Industry Title or NAICS Code:

Industry			Employment			% Growth		Wage
Industry Code	Industry Group	Industry Title	2018	2028	Net Growth	Annualized	Total	Average Weekly
000670	Sector	Self Employed and Unpaid Family Workers, All Jobs	289,829	313,543	23,714	0.8%	8.2%	*
110000	Sector	Agriculture, Forestry, Fishing and Hunting	50,183	49,190	-993	-0.2%	-2.0%	\$701
210000	Sector	Mining	3,123	3,237	114	0.4%	3.7%	\$1,188
220000	Sector	Utilities	15,047	14,641	-406	-0.3%	-2.7%	\$1,787
230000	Sector	Construction	221,048	250,996	29,948	1.3%	13.5%	\$1,049
310000	Sector	Manufacturing	475,013	455,740	-19,273	-0.4%	-4.1%	\$1,150
420000	Sector	Wholesale Trade	182,510	183,019	509	0.0%	0.3%	\$1,423
440000	Sector	Retail Trade	500,182	501,368	1,186	0.0%	0.2%	\$550
480000	Sector	Transportation and Warehousing	156,033	163,558	7,525	0.5%	4.8%	\$971
510000	Sector	Information	80,027	81,322	1,295	0.2%	1.6%	\$1,607
520000	Sector	Finance and Insurance	173,423	191,880	18,457	1.0%	10.6%	\$1,920
530000	Sector	Real Estate and Rental and Leasing	60,122	64,022	3,900	0.6%	6.5%	\$979
540000	Sector	Professional, Scientific, and Technical Services	254,871	295,088	40,217	1.5%	15.8%	\$1,630
550000	Sector	Management of Companies and Enterprises	83,296	93,319	10,023	1.1%	12.0%	\$2,097
560000	Sector	Administrative and Support and Waste Management and Remediation Services	296,963	316,564	19,601	0.6%	6.6%	\$714
610000	Sector	Educational Services	381,773	396,173	14,400	0.4%	3.8%	\$898
620000	Sector	Health Care and Social Assistance	589,919	670,722	80,803	1.3%	13.7%	\$975
710000	Sector	Arts, Entertainment, and Recreation	75,927	81,887	5,960	0.8%	7.8%	\$606

Compare stats
side by side for
your region

https://tools.nccareers.org/employmentprojections/industry_employment_projections.html

- Overview of the NC Economy

DASHBOARDS



NC Today



NC Labor Supply and Demand



NC Unemployment Insurance Claims



Regional Labor Market Overviews



Industry Employment Projections



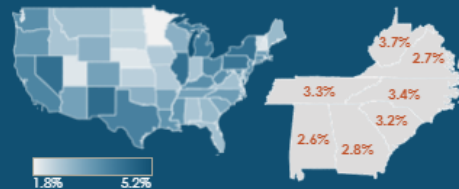
Occupation Projections

Analytics.NCCommerce.com

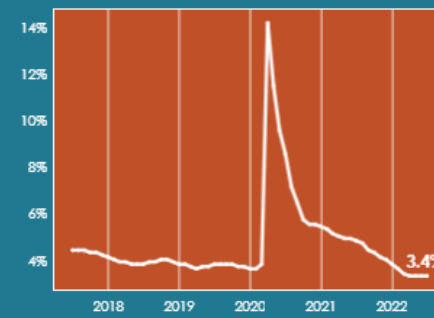
UNEMPLOYMENT RATE COMPARISON

North Carolina
3.4%
3.4% LAST MONTH

United States
3.5%
3.6% LAST MONTH



NC UNEMPLOYMENT RATE TREND



KEY INDICATORS

NONFARM
JOBS
31,400
CHANGE SINCE
PREVIOUS MONTH

REAL
WAGES
-0.3%
CHANGE SINCE
PREVIOUS MONTH

MANUFACTURING
HOURS WORKED
-1.7%
CHANGE SINCE
ONE YEAR AGO

JOB
OPENINGS*
-1.6%
CHANGE SINCE
PREVIOUS MONTH

BUILDING
PERMITS*
-0.9%
CHANGE SINCE
PREVIOUS MONTH

LABOR FORCE
PARTICIPATION
0.1
CHANGE SINCE
PREVIOUS MONTH

EMPLOYED
INDIVIDUALS
0.3%
CHANGE SINCE
PREVIOUS MONTH

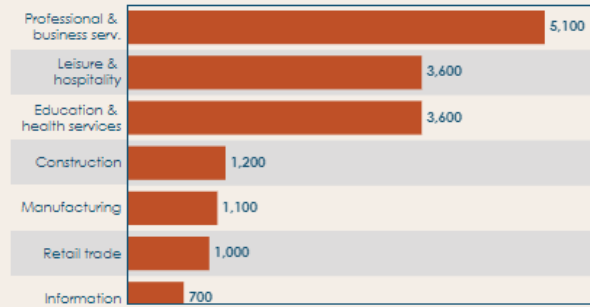
UNEMPLOYED
INDIVIDUALS
-0.3%
CHANGE SINCE
PREVIOUS MONTH

INITIAL UNEMPLOYMENT
INSURANCE CLAIMS
-65.6%
CHANGE SINCE
ONE YEAR AGO

REAL TAXABLE
RETAIL SALES*
0.9%
CHANGE SINCE
PREVIOUS MONTH

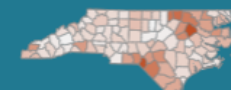
KEY INDICATOR TRENDS

MONTHLY INDUSTRY JOBS CHANGE



CLICK MAPS FOR MORE

LOCAL UNEMPLOYMENT RATES



METRO AREA JOBS



NC Department of Commerce
Labor & Economic Analysis
919.707.1500 | lead@nccommerce.com

- Updated monthly
- NC Unemployment Rate & Trends
- Key Economic Indicators & Trends

- Overview of the NC Economy
- Overview of the supply vs demand for labor

DASHBOARDS



NC Today



NC Labor Supply and Demand



NC Unemployment Insurance Claims



Regional Labor Market Overviews



Industry Employment Projections



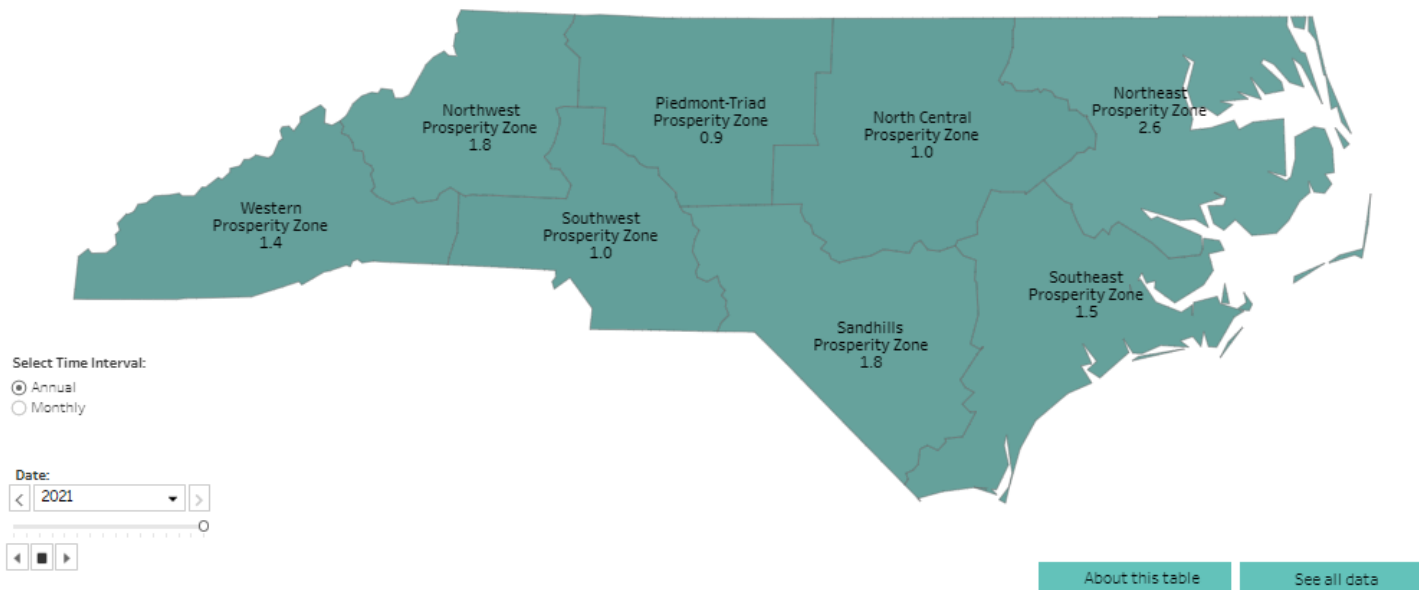
Occupation Projections

Analytics.NCCommerce.com

- Updated Monthly
- # of Job seekers by number of job openings
 - Understand Labor Tightness
- Regional
- Occupations
- By Career Cluster

Jobseekers per Job Opening by Region

Darkers colored regions have tighter labor markets



- Overview of the NC Economy
- Overview of the supply vs demand for labor
- Monthly Unemployment Insurance (UI) Claims Data

DASHBOARDS



NC Today



NC Labor Supply and Demand



NC Unemployment Insurance Claims



Regional Labor Market Overviews

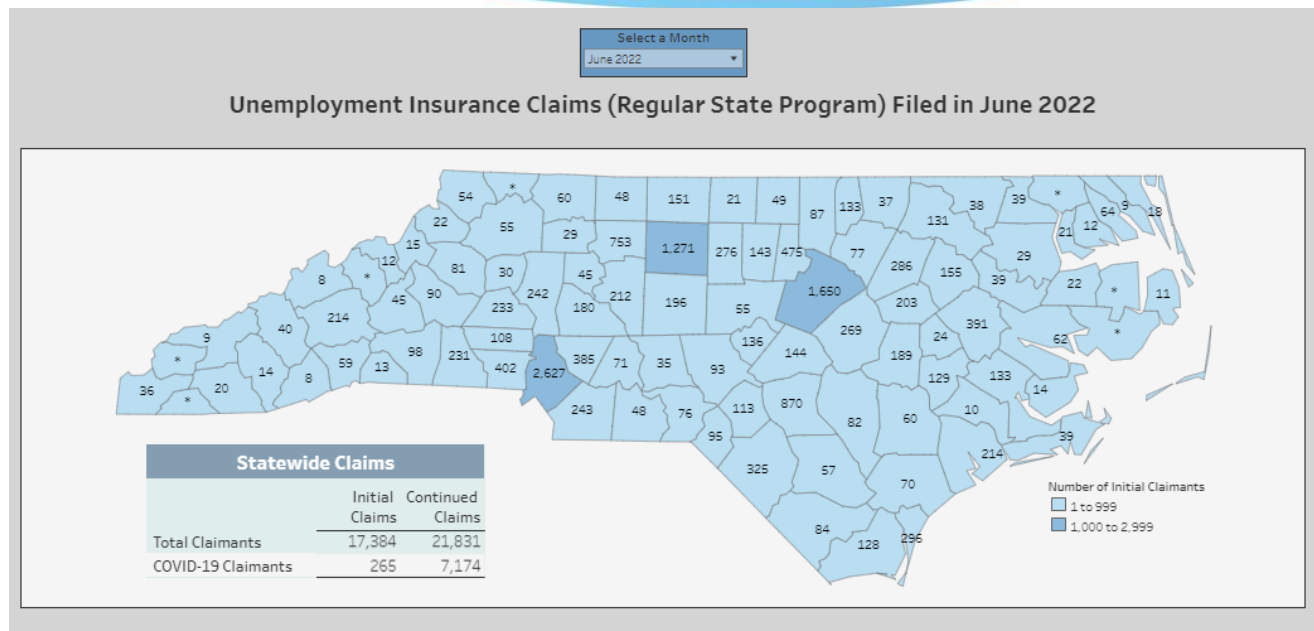
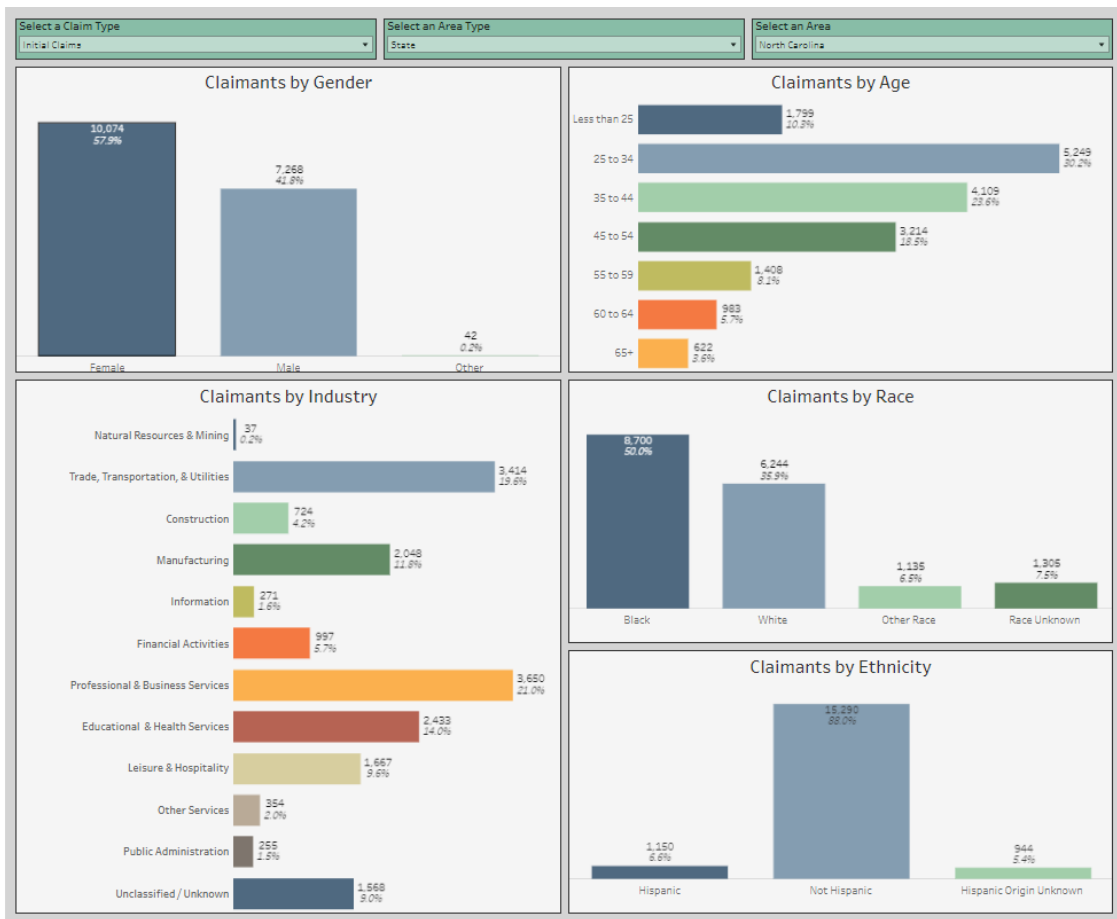


Industry Employment Projections



Occupation Projections

Analytics.NCCommerce.com



- Updated monthly
- # of UI Claims
 - Initial
 - Continued
- Statewide, WDB or County
- Demographic info

- Overview of the NC Economy
- Overview of the supply vs demand for labor
- Monthly Unemployment Insurance (UI) Claims Data
- Monthly Regional (WDB) Labor Market Overviews

DASHBOARDS



NC Today



NC Labor Supply and Demand



NC Unemployment Insurance Claims



Regional Labor Market Overviews



Industry Employment Projections



Occupation Projections

Analytics.NCCommerce.com

REGIONAL LABOR MARKET OVERVIEW

» GuilfordWorks WDB | July 2022 Data*



MONTHLY TRENDS

NC Department of Commerce | Labor & Economic Analysis | 919.707.1500 | lead@nccommerce.com

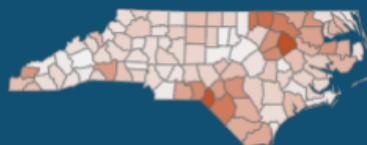
Unemployed Individuals **11,265**

4.3%

North Carolina 3.4%
United States 3.6%

4.6% LAST MONTH

UNEMPLOYMENT RATES BY COUNTY



Employed Individuals **249,488**

Labor Force
260,753

-1,735

CHANGE IN EMPLOYED
FROM PREVIOUS MONTH

11,116

CHANGE IN EMPLOYED
FROM ONE YEAR AGO

NUMBER OF EMPLOYED
OVER LAST 5 YEARS



- WDB Level Economic Overview
- Updated monthly
 - Unemployment Rate
 - Retail Sales
 - # of jobs
 - Job openings
 - Who's hiring
 - What Jobs

past 90 days from August 24, 2022

WHO'S HIRING

• Cone Health	711
• NC A&T State University	330
• AB Volvo	280
• Guilford County Schools	262
• University of North Carolina	197
• Deloitte	193
• UNC-Greensboro	189
• Food Lion	173

WHAT JOBS

• Registered Nurses	513
• Retail Salespersons	179
• Customer Service Representatives	159
• Licensed Practical and Vocational Nurses	155
• Teachers and Instructors, All Other	137
• Heavy and Tractor-Trailer Truck Drivers	135
• Janitors and Cleaners, Except Maids	131
• Managers, All Other	131

METRO JOBS

Greensboro MSA
363,600

1,700

CHANGE IN JOBS FROM
PREVIOUS MONTH

Industry Detail

TAXABLE RETAIL SALES

\$872,047,978

14.8%

CHANGE FROM
ONE YEAR AGO

JOB OPENINGS

37,969

-770 CHANGE FROM PREVIOUS MONTH

*June 2022 data is preliminary. Taxable Retail Sales data reflect June 2022 and Job Openings data reflect June 2022.

- Overview of the NC Economy
- Overview of the supply vs demand for labor
- Monthly Unemployment Insurance (UI) Claims Data
- Monthly Regional (WDB) Labor Market Overviews
- Visualizations of Industry and Occupations Projections

DASHBOARDS



NC Today



NC Labor Supply and Demand



NC Unemployment Insurance Claims



Regional Labor Market Overviews



Industry Employment Projections



Occupation Projections

Analytics.NCCommerce.com

How can I learn more?

LMI Tuesdays

- 1st & 3rd Tuesday of each month
- Hosted by LEAD Analysts
- 20+ minute discussion LMI related topic
- Time set aside for Q&A
- Starts at 11:30 on MS Teams
- Preregistration is not required

1st Tuesday



<https://Bit.ly.2QhL83S>

3rd Tuesday



<https://Bit.ly.2QhL83S>

Contact us



@CareersInNC
@LEADNC



Facebook.com/NCcareers.org



NCcareers@commerce.nc.gov



DREAM IT. PLAN IT. BE IT.

NCCareers.org

